

Claims

1. A graphical user interface for providing job tickets and print job information on a display screen for a printing system, comprising:

a depiction of a pathway access window including a print queue icon;

a depiction of a printer status window including a printer icon;

a display unit displaying a job ticket for each print job by selecting the print queue icon, each job ticket is associated with a job ticket icon indicating whether there are sufficient resources to complete the print job associated with the job ticket; and

the display unit displaying print job information associated with each job ticket by selecting one of the job ticket icons.

2. The graphical user interface as in claim 1, wherein the print job information comprises required stock information.

3. The graphical user interface as in claim 1, wherein the print job information comprises required finishing information.

4. The graphical user interface as in claim 1, wherein the print job information comprises required resources information.

5. The graphical user interface as in claim 1, wherein the pathway access window further comprises a print engine icon and wherein the display unit displays print engine information by selecting the print engine icon.

6. The graphical user interface as in claim 5, wherein the print engine information includes toner levels in the printing system and wherein the display unit displays an insufficient resources icon when there is insufficient toner to complete one of the print jobs.

7. The graphical user interface as in claim 1, wherein the printer icon includes a depiction of the print engine and wherein the display unit displays print engine information by selecting the depiction of the print engine.

8. The graphical user interface as in claim 7, wherein the print engine information includes toner levels in the printing system and wherein the display unit displays an insufficient resources icon when there is insufficient toner to complete one of the print jobs.

9. The graphical user interface as in claim 1, wherein the printer status window further comprises a multiuse job progress indicator, including total time, elapsed time and time remaining for a current print job.

10. A printing system for printing image data received from a computer network, scanner or other image data generating device on a support material, comprising:

- a supply unit having a plurality of feeders, wherein each feeder has at least one tray for storing support material;

- a controller including:

 - a system controller processing the received image data, and

 - a user interface comprising:

 - a print queue icon,

 - a plurality of job tickets, and

 - print job information displayed on the display screen by selecting one of the job tickets;

- a print engine including:

 - a charging unit charging a surface of a photoconductive belt,

 - a first exposure unit exposing a photoconductive belt to create an electrostatic latent image based on the received image data at the direction of the system controller,

 - a first developer unit having first color charged toner particles, which are attracted to the electrostatic latent image,

 - a second exposure unit exposing the photoconductive belt based on the received image data at the direction of the system controller,

 - a second developer unit having second color charged toner particles, which are attracted to the electrostatic latent image,

 - a third exposure unit exposing the photoconductive belt based on the received image data at the direction of the system controller,

 - a third developer unit having third color charged toner particles, which are attracted to the electrostatic latent image,

 - a fourth exposure unit exposing the photoconductive belt based on the received image data at the direction of the system controller,

a fourth developer unit having fourth color charged toner particles, which are attracted to the electrostatic latent image,

a transfer unit receiving support material and transferring the toner from the photoreceptor belt to the support material,

a fuser assembly receiving the support material from the transfer unit and permanently affixing the toner to the sheet of support material, and a cleaning unit cleaning the photoreceptor belt; and

a finishing unit, coupled to the print engine, the finishing unit comprising at least one of a stacker, binder, stapler and inserter.

11. The printing system as in claim 10, wherein the first color charged toner particles are magenta, the second charged toner particles are yellow, the third charged toner particles are cyan and the fourth charged toner particles are black.

12. The printing system as in claim 10, wherein the print job information includes required stock information, required finishing information and required resources information.

13. The printing system as in claim 10, wherein the user interface further comprises a print engine icon actuated to display print engine information.

14. The printing system as in claim 13, wherein the print engine information includes current toner levels, and the amount of toner required to complete print jobs based on the requirements in the print job tickets.

15. A printing system for printing image data received from a computer network, scanner or other image data generating device on a support material, comprising:

- a supply unit having a plurality of feeders, wherein each feeder has at least one tray for storing support material;

- a controller including:

 - a system controller processing the received image data, and

 - a user interface comprising:

 - a print queue icon,

 - a plurality of job tickets, and

 - print job information displayed on the display screen by selecting one of the job tickets;

- a print engine including:

 - a charging unit charging a surface of a photoconductive belt,

 - at least one exposure unit exposing a photoconductive belt to create an electrostatic latent image based on the received image data at the direction of the system controller,

 - at least one developer unit having charged toner particles, which are attracted to the electrostatic latent image,

 - a transfer unit receiving support material and transferring the toner from the photoreceptor belt to the support material,

 - a fuser assembly receiving the support material from the transfer unit and permanently affixing the toner to the sheet of support material, and

 - a cleaning unit cleaning the photoreceptor belt; and

 - a finishing unit, coupled to the print engine, the finishing unit comprising at least one of a stacker, binder, stapler and inserter.

16. The printing system as in claim 15, wherein the first color charged toner particles are magenta, the second charged toner particles are yellow, the third charged toner particles are cyan and the fourth charged toner particles are black.

17. The printing system as in claim 15, wherein the print job information includes required stock information, required finishing information and required resources information.

18. The printing system as in claim 15, wherein the user interface further comprises a print engine icon actuated to display print engine information.

19. The printing system as in claim 18, wherein the print engine information includes current toner levels, and the amount of toner required to complete print jobs based on the requirements in the print job tickets.

20. A method for managing resources for print jobs, comprising:
displaying print job tickets in print queue;
identifying print job information necessary to complete print jobs based on contents of print job tickets;
prompting modules for resource status information;
receiving resource status information from modules;
comparing resource status information to print job information for each job ticket;
displaying first icon indicating that resources are available to complete print jobs for job tickets, where resources are sufficient; and
displaying second icon indicating that resources are unavailable to complete print jobs for job tickets, where resources are insufficient.

21. A method for managing resources for print jobs as in claim 20, wherein print job information includes required stock information, required finishing information, and required resource information.

22. A method for managing resources for print jobs as in claim 20, further comprising displaying available and required stock information.

23. A method for managing resources for print jobs as in claim 20, further comprising displaying available and required finishing information.

24. A method for managing resources for print jobs as in claim 20, further comprising displaying available and required resource information.

25. A method for managing resources for print jobs as in claim 20, further comprising displaying available and required print engine information.